Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/17/2021 11:40 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/16/2021 09:10 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124721	-1	1.61	124602	1.64
Blue	F	SSC	125000	123559	-2	2.48	124051	2.31
Blue	E	FITC	14284	13930	-3	2.62	390	13.48
Blue	D	PE	23919	23684	-1	2.06	561	10.88
Blue	B	PerCP-Cy5-5	31332	30751	-2	3.21	879	14.85
Blue	A	PE-Cy7	22272	22064	-1	5.21	457	30.85
Red	C	APC	47768	47420	-1	2.64	1631	11.90
Red	A	APC-Cy7	25313	24797	-3	2.95	703	12.63
Violet	B	V450	7085	6745	-5	3.52	470	11.38
Violet	A	V500	26969	25814	-5	3.05	885	8.29

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23925	3.65	583	-6	N/A	N/A	Pass
Blue	F	SSC	55326	2.16	521	0	N/A	N/A	Pass
Blue	E	FITC	58	54.24	493	-8	0.0434	53	Pass
Blue	D	PE	109	40.43	490	-7	0.3811	314	Pass
Blue	B	PerCP-Cy5-5	139	42.36	579	-9	0.0204	111	Pass
Blue	A	PE-Cy7	78	80.87	625	-10	0.0222	6	Pass
Red	C	APC	339	27.30	581	1	0.0260	200	Pass
Red	A	APC-Cy7	130	36.03	554	-1	0.0060	1404	Pass
Violet	B	V450	80	45.62	456	-7	0.0532	1930	Pass
Violet	A	V500	105	29.07	467	-7	0.0244	509	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.92	-31.74	1.03
Blue	20.35	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.42
Red	14.81	13.60 - 20.40	N/A	N/A	30.09	30.35	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9690

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments